

CLAIMS

What is claimed is:

- 1 1. A robot system, comprising:
2 a remote station that has a head worn device, said head
3 worn device generates input signals in response to movement
4 of said head worn device; and,
5 a robot that has a monitor and a camera, said camera
6 moves in conjunction with the movement of said head worn
7 device and said input signals.
- 1 2. The system of claim 1, wherein said robot includes
2 a holonomic mobile platform.
- 1 3. The system of claim 1, wherein said remote station
2 includes a camera and a monitor.
- 1 4. The system of claim 1, wherein said head worn
2 device includes a microphone.

1 5. The system of claim 4, wherein said remote station
2 includes a speech interface that interprets robot commands
3 entered through said microphone.

1 6. A robot system, comprising:
2 a remote station with head worn means for generating
3 input signals in response to movement of a user's head;
4 and,
5 a robot that has a monitor and a camera, said camera
6 moves in conjunction with the movement of the user's head
7 and said input signals.

1 7. The system of claim 6, wherein said robot includes
2 a holonomic mobile platform.

1 8. The system of claim 6, wherein said remote station
2 includes a camera and a monitor.

1 9. The system of claim 6, wherein said head worn
2 means includes a microphone.

1 10. The system of claim 9, wherein said remote station
2 includes a speech interface that interprets robot commands
3 entered through said microphone.

1 11. A method for moving a camera of a robot,
2 comprising:
3 moving a head worn device;
4 generating input signals that correspond to the
5 movement of the head worn device;
6 processing the input signals into a robot command;
7 transmitting the robot command to a robot; and,
8 moving a camera of the robot in response to the robot
9 command.

1 12. The method of claim 11, further comprising moving
2 the robot across a surface.

1 13. The method of claim 11, further comprising
2 transmitting video images between the robot and a remote
3 station.

1 14. The method of claim 11, further comprising
2 entering a robot input command into a microphone of the
3 head worn device and processing the robot input command
4 into a robot movement command, transmitting the robot
5 movement command to the robot, and moving the robot.

1 15. A robot system, comprising:
2 a broadband network;
3 a remote station that is coupled to said broadband
4 network and has a head worn device, said head worn device
5 generates input signals in response to movement of said
6 head worn device; and,
7 a robot that is coupled to said broadband network and
8 has a monitor and a camera, said camera moves in
9 conjunction with the movement of said head worn device and
10 said input signals.

1 16. The system of claim 15, wherein said robot
2 includes a holonomic mobile platform.

1 17. The system of claim 15, wherein said remote
2 station includes a camera and a monitor.

1 18. The system of claim 15, wherein said head worn
2 device includes a microphone.

1 19. The system of claim 18, wherein said remote
2 station includes a speech interface that interprets robot
3 commands entered through said microphone.

1 20. A robot system, comprising:
2 a broadband network;
3 a remote station that is coupled to said broadband
4 network, said remote station has head worn means for
5 generating input signals in response to movement of a
6 user's head; and,
7 a robot that is coupled to said broadband network and
8 has a monitor and a camera, said camera moves in
9 conjunction with the movement of the user's head and said
10 input signals.

1 21. The system of claim 20, wherein said robot
2 includes a holonomic mobile platform.

1 22. The system of claim 20, wherein said remote
2 station includes a camera and a monitor.

1 23. The system of claim 20, wherein said head worn
2 means includes a microphone.

1 24. The system of claim 23, wherein said remote
2 station includes a speech interface that interprets robot
3 commands entered through said microphone.

1 25. A method for moving a camera of a robot,
2 comprising:

3 moving a head worn device;

4 generating input signals that correspond to the
5 movement of the head worn device;

6 processing the input signals into a robot command;

7 transmitting the robot command to a robot through a
8 broadband network; and,

9 moving a camera of the robot in response to the robot
10 command.

1 26. The method of claim 25, further comprising moving
2 the robot across a surface.

1 27. The method of claim 25, further comprising
2 transmitting video images between the robot and a remote
3 station.

1 28. The method of claim 27, further comprising
2 entering a robot input command into a microphone of the
3 head worn device and processing the robot input command
4 into a robot movement command, transmitting the robot
5 movement command to the robot, and moving the robot.